GP2811

Patent
Attorney's Docket No. 030681-280

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)
	)
Sung-nam Lee, et al.	) Group Art Unit: 2811
	)
Application No.: 09/776,846	) Examiner: S. Crane
	)
Filed: February 6, 2001	) Confirmation No.: 6862
	)
For: NITRIDE SEMICONDUCTOR LIGHT	)
EMITTING DEVICE	)
	)
	)

AMENDMENT/REPLY TRANSMITTAL LETTER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is a reply for the above-identified patent application.

[X] A Petition for Extension of Time is also enclosed.

[ ] A Terminal Disclaimer and the [ ] $55.00 (2814) [ ] $110.00 (1814) fee due under 37 C.F.R. § 1.20(d) are also enclosed.

[X] Also enclosed is/are Attachment to Amendment   .

[ ] Small entity status is hereby claimed.

[ ] Applicant(s) request continued examination under 37 C.F.R. § 1.114 and enclose the [ ] $375.00 (2801) [ ] $750.00 (1801) fee due under 37 C.F.R. § 1.17(e).

   [ ] Applicant(s) previously submitted __, on __, for which continued examination is requested.

[ ] Applicant(s) request suspension of action by the Office until at least __, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.

[ ] A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also enclosed.

[X] No additional claim fee is required.

(02/03)

[ ]   An additional claim fee is required, and is calculated as shown below:

AMENDED CLAIMS					
	No. Of Claims	Highest No. Of Claims Previously Paid For	Extra Claims	Rate	Addt'l Fee
Total Claims		MINUS =		× $18.00 (1202) =	-0-
Independent Claims		MINUS =		× $84.00 (1201) =	-0-
If Amendment adds multiple dependent claims, add $280.00 (1203)					-0-
Total Amendment Fee					-0-
If small entity status is claimed, subtract 50% of Total Amendment Fee					-0-
TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT					-0-

[ ] A claim fee in the amount of $_____ is enclosed.

[ ] Charge $_____ to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:_____
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Date: April 21, 2003

(02/03)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
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Sung-nam Lee, et al.)	Group Art Unit: 2811
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Application No.: 09/776,846)	Examiner: S. Crane
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Filed: February 6, 2001)	Confirmation No.: 6862
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For: NITRIDE SEMICONDUCTOR)	
LIGHT EMITTING DEVICE)	

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated November 20,2002, please amend the above-

identified application as follows:

IN THE SPECIFICATION:

Please replace the paragraph bridging pages 3 and 4 with the following:

Preferably, the multi-quantum barrier layer is formed by repeatedly depositing a

double layer consisting of an $Al_xGa_{1-x}N$ layer and an $In_yGa_{1-y}N$ layer ($0 < x < 1$, $0 < y \le 1$), so

that its energy band can have a multi-quantum barrier structure. In this case, the multi-

quantum barrier layer is formed by making the thickness of the $Al_xGa_{1-x}N$ layer of each

double layer differ from the thicknesses of the $Al_xGa_{1-x}N$ layers of the other double layers

or making the thickness of the $In_yGa_{1-y}N$ layer of each double layer differ from the

thicknesses of the $In_yGa_{1-y}N$ layers of the other double layers, thereby making the energy